



# EZ-EL Wire Bicycle

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## TOOLS:

- [Wire cutter \(1\)](#)



## PARTS:

- [10' Blue EZ-EL Wire Kit \(1\)](#)
- [25' Blue EZ-EL Wire Kit \(1\)](#)
- [10' White EZ-EL Wire Kit \(1\)](#)
- [Tape \(1\)](#)
- [Zip ties \(1\)](#)

## SUMMARY

This guide will teach you how to make your very own EZ-EL Wire bicycle! For more cool ideas check out <https://ez-el.com/tutorials>!

The EZ-EL Wire Kit you will need for this project can be purchased [here](#).

Enter coupon code **MAKEbike** at [checkout](#) for a discount!

## Step 1 — EZ-EL Wire Bicycle



- Here is what the finished bike will look like.

## Step 2



- For this particular design, the front wheel has a square design and the back wheel has a weaving design within the spokes of the wheel. You can create your own designs for your bike's wheels.

### Step 3



- After you've created your designs, attach the extension cable to the inverter and secure the inverter in the center of the wheel. This will be your starting point.
- Let the extension cable reach the rim of the wheel and start following your pattern from your design.
- For this weaving design, insert the 25' Blue EL Wire through each spoke of the wheel, creating a continuous "S" design throughout the circumference of the wheel.
- When the first weave reaches full circle, start weaving the same wire in an opposite "S" direction between of each spoke of the wheel to achieve the "weave" effect.
- When the second weave reaches full circle again, use a wire cutter to snip off the excess wire.
- Zip tie or tape down the end of the wire to the bike.

## Step 4



- As with the circle design, start the pattern with the inverter attached to the extension cable and secure the inverter to the center of the wheel.
- Let the extension cable reach the rim of the wheel and start your design.
- For this square design, extend the 10' wire to form the 1st corner of the square.
- Use a zip tie to secure the corner at a 90-degree angle.
- Continue this process until the square is complete with the wire ending where it began, resulting in a square shape.
- Snip off the excess wire with a wire cutter.
- Zip tie or tape down the end of the wire to the bike.

## Step 5



- Outline the body of the bike with another 10' White EL wire. Use zip ties to secure the wire to the bike.
- Connect the inverter to the wire and use zip ties to secure the inverter underneath the frame of the bike.
- Snip off excess wire when you're done with the design.
- Zip tie or tape down the end of the wire to the bike.

## Step 6



- Enjoy your awesome bike! Take it out for a midnight ride or bike party!

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